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<p>(21) International Application Number: PCT/US99/09346</p> <p>(22) International Filing Date: 30 April 1999 (30.04.99)</p> <p>(30) Priority Data:</p> <table border="0"> <tr> <td>60/083,758</td> <td>1 May 1998 (01.05.98)</td> <td>US</td> </tr> <tr> <td>60/094,869</td> <td>31 July 1998 (31.07.98)</td> <td>US</td> </tr> <tr> <td>60/098,994</td> <td>2 September 1998 (02.09.98)</td> <td>US</td> </tr> <tr> <td>60/099,062</td> <td>2 September 1998 (02.09.98)</td> <td>US</td> </tr> <tr> <td>60/103,749</td> <td>9 October 1998 (09.10.98)</td> <td>US</td> </tr> <tr> <td>60/103,794</td> <td>9 October 1998 (09.10.98)</td> <td>US</td> </tr> <tr> <td>60/103,796</td> <td>9 October 1998 (09.10.98)</td> <td>US</td> </tr> <tr> <td>60/121,528</td> <td>25 February 1999 (25.02.99)</td> <td>US</td> </tr> </table> <p>(71) Applicants (for all designated States except US): CHIRON CORPORATION [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US). THE INSTITUTE FOR GENOMIC RESEARCH [US/US]; 9212 Medical Center Drive, Rockville, MD 20850 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): FRASER, Claire [US/US]; Rockville, MD (US). GALEOTTI, Cesira [IT/IT]; Chiron S.p.A., Via Fiorentina, 1, I-53100 Siena (IT). GRANDI, Guido [IT/IT]; Chiron S.p.A., Via Fiorentina, 1, I-53100 Siena (IT). HICKEY, Erin [US/US]; Gaithersburg, MD (US).</p> <p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>(43) Agent: HARBIN, Alisa, A.; Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA 94662-8097 (US).</p> <p>(54) Title: NEISSERIA MENINGITIDIS ANTIGENS AND COMPOSITIONS</p> <p>(57) Abstract</p> <p>The invention provides proteins from Neisseria meningitidis, including the amino acid sequences and the corresponding nucleotide sequences. The proteins are predicted to be useful antigens for vaccines and/or diagnostics.</p> <p><b>919 (46 kDa)</b></p> <p><b>A) PURIFICATION</b></p> <p><b>M1 919</b></p>			60/083,758	1 May 1998 (01.05.98)	US	60/094,869	31 July 1998 (31.07.98)	US	60/098,994	2 September 1998 (02.09.98)	US	60/099,062	2 September 1998 (02.09.98)	US	60/103,749	9 October 1998 (09.10.98)	US	60/103,794	9 October 1998 (09.10.98)	US	60/103,796	9 October 1998 (09.10.98)	US	60/121,528	25 February 1999 (25.02.99)	US
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